

The previous Declaration included the intent statement at the top of page 3. The original Declaration reason to delete the word "means" still applies.

Claim 66 has been amended to include the limitations from the cancelled claim portions, and thus, reconsideration of the rejection under 35 U.S.C. §112 is requested.

Reconsideration of the rejection of Claims 1-12, 14-33, 37-51 and 53 as being unpatentable over Japanese (52-14227) in view of Japanese (52-632132) is requested. Independent Claim 1 requires that "said first and second aperture means metering the supply of oxygen passing there through" and that the means for discharging fuel including "a nozzle extending though the chamber means and the first aperture means formed in the base wall and supported by the base wall". In Japanese Patent (52-14227), the fuel nozzle does not extend through the first aperture and does not indicate that the small arrow air is metered and likewise Japanese (52-32132) does not supply these features. Independent Claims 16 and 21 have similar language. Independent Claim 29 has the two aperture air metering features also. Independent Claim 37 has similar language as Claim 1, and further adds a third oxygen aperture structure not found in the applied Japanese references. Independent Claim 40 recites an inlet opening and means to supply oxygen through the inlet opening and with metering means appended to the fuel nozzle, features not found in the applied Japanese reference. Accordingly, reconsideration of this rejection is requested.

It is noted that no prior art rejection of Claims 5, 13, 34-36, 52, 65-68, 113, 114 and 116-122 was made.

It is respectfully requested that, if necessary to effect a timely response, this paper be considered as a Petition for an Extension of Time sufficient to effect a timely response and shortages in other fees, be charged, or any overpayment in fees be credited, to the Account of Barnes & Thornburg, Deposit Account No. 02-1010 (3053/28781).

Respectfully submitted,

BARNES & THORNBURG



Mark M. Newman
Reg. No. 31,472
(202) 289-1313

MMN/sld

Attachments:

- Appendices A & B
- Formal Drawings (Figs. 1, 2, 3A-C, 7 & 8)
- Substitute Declaration

APPENDIX A

66. (CURRENTLY AMENDED) The burner assembly of claim 65 further comprising

a burner block formed to include a flame chamber having an inlet opening and an outlet opening.

an oxygen-supply housing including a base wall and a hollow shell appended to the base wall to define an oxygen-supply chamber for receiving a supply of oxygen-discharge aperture, the base wall being fixed to lie adjacent to the burner block to place the oxygen-discharge aperture in the base wall in fluid communication with the inlet opening in the burner block to allow oxygen to pass from the oxygen-supply chamber to the flame chamber through the oxygen-discharge aperture, the hollow shell having a pyramidal shape and a plurality of triangular side walls, wherein the connector includes a frame positioned to lie between the base wall and the burner block and formed to include an oxygen-conductor passageway interconnecting the oxygen-discharge aperture formed in the base wall and the inlet opening formed in the burner block.

APPENDIX B

66. (CURRENTLY AMENDED) The burner assembly further comprising
a burner block formed to include a flame chamber having an inlet opening and
an outlet opening,
an oxygen-supply housing including a base wall and a hollow shell appended
to the base wall to define an oxygen-supply chamber for receiving a supply of oxygen-
discharge aperture, the base wall being fixed to lie adjacent to the burner block to place the
oxygen-discharge aperture in the base wall in fluid communication with the inlet opening in
the burner block to allow oxygen to pass from the oxygen-supply chamber to the flame
chamber through the oxygen-discharge aperture, the hollow shell having a pyramidal shape
and a plurality of triangular side walls, wherein the connector includes a frame positioned to
lie between the base wall and the burner block and formed to include an oxygen-conductor
passageway interconnecting the oxygen-discharge aperture formed in the base wall and the
inlet opening formed in the burner block.